Chapter 9

1-What is the function of DNA?

1. to assist in cell division
2. to control the heredity
3. to help in the synthesis of protein
4. All of them

2- Nucleic acids are composed of

1. Nucleotides
2. Only Cytosine
3. Only ribose
4. None of them

3- Which one of the following base is found in RNA but not DNA?

1. Cytosine
2. Adenine
3. Uracil
4. Thymine

4- Each nucleotide in a DNA molecule consists of -----------------------

1. a phosphate group, a hexose sugar and a nitrogeneous base.
2. a sulfonyl group, a pentose sugar, and a nitrogeneous base.
3. a phosphate group, a pentose sugar and a nitrogeneous base.
4. a phosphate group, glucose , and a nitrogeneous base.

5- Chromatin is a complex of

1. DNA and protein
2. RNA with protein
3. Only DNA
4. DNA and fat

6- What is the process called when messenger RNA is synthesized to match a certain gene?

1. Replication
2. Translation
3. Transcription
4. None of the above

7- The Product of translation is

1. Glucose
2. mRNA
3. protein
4. lipids

Chapter 10

8- Red blood cells are type of..........

1. Nervous tissue
2. Connective tissue
3. Muscle tissue
4. Epithelial tissue

9- Ligaments connect

1. Ends of two bones
2. Muscles to bone
3. Epithelia to underlying tissues
4. None of them

10- Which of the following has a single layer but appears stratified?

1. Stratified squamous epithelium
2. Pseudostratified columnar epithelium
3. Simple squamous epithelium
4. Simple cuboidal epithelium

11-Which of the following tissue does cover the outside of the body and line organs and cavities within the body?

1. Muscle tissue
2. Epithelial tissue
3. Nervous tissue
4. Connective tissue

12-Columnar epithelium is found in

1. Kidney
2. Liver
3. Capillaries
4. Small intestine

13-Cardiac muscle is

1. Involuntary
2. Voluntary
3. A+b
4. None of them

14-What type of muscle is responsible for contractions of the stomach and small intestine?

1. Skeletal muscle
2. Smooth muscle
3. Cardiac muscle
4. All of them

15-Which of the following connective tissue is responsible for oxygen and nutrients transportation?

1. Bones
2. Adipose
3. Blood
4. Cartilage